

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Scott A. Cooper et al.

SERIAL NO.: 10/612,829

FILING DATE: July 1, 2003

TITLE: Low Distortion Band-Pass Analog to Digital Converter with  
Feed Forward

EXAMINER: Joseph J. Lauture

TELEPHONE: (571) 272-1805

FAX: (703) 872-9306

ART UNIT: 2819

RECEIVED  
OCT 08 2004  
OFFICE OF PETITIONS

CERTIFICATE OF MAILING

I hereby certify that this paper is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date printed below:

Date: 9/28/04

Name: Beatrice Orozco  
Beatrice Orozco

Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450

WITHDRAWAL OF CLAIM TO SMALL ENTITY STATUS

**Small Entity Was Established in Good Faith**

Applicants hereby submit that the small entity status in this case was established in good faith, and fees as a small entity were paid in good faith.

Applicants hereby withdraw the claim in the present application to Small Entity status ab initio.

**Itemization of Deficiency Payment pursuant to 37 CFR 1.28(c)****1. Basic Statutory Filing Fee**

Basic Statutory Filing Fee (large entity) - fee code 1001	\$770.00
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Basic Statutory Filing Fee (small entity) - fee code 2001 paid June 4, 2003	\$375.00
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Deficiency Amount Owed	<b>\$395.00</b>
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**2. Additional Dependent Claims**

5 Claims in excess of 20 - (large entity) - fee code 1202	\$ 90.00
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5 Claims in excess of 20 - (small entity) - fee code 2202	\$ 45.00
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Deficiency Amount Owed	<b>\$ 45.00</b>
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**3. Additional Surcharge Fee**

Late Filing Fee or oath or declaration - (large entity) - fee code 1051	\$130.00
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Late Filing Fee or oath or declaration - (small entity) - fee code 2051	\$ 65.00
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Deficiency Amount Owed	<b>\$ 65.00</b>
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<b>Total Deficiency Amount Owed</b>	<b>\$ 505.00</b>
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A check in the amount of total deficiency of **\$505.00** is herewith submitted.

Please charge any additional required fee or credit any overpayment to our deposit

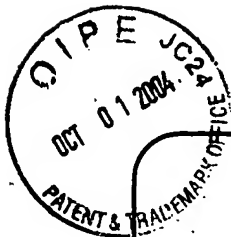
account number 50-1698.

Respectfully submitted,  
THELEN REID & PRIEST, LLP

Dated: September 27, 2004

  
\_\_\_\_\_  
David B. Ritchie  
Reg. No. 31,562

Thelen Reid & Priest LLP  
P.O. Box 640640  
San Jose, CA 95164-0640  
Telephone: (408) 292-5800  
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DAC 128c  
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PTO/SB/21 (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	10/612,829	<b>RECEIVED</b>  OCT 08 2004
	Filing Date	July 1, 2003	
	First Named Inventor	Scott A. Cooper	<b>OFFICE OF PETITIONS</b>
	Art Unit	2819	
	Examiner Name	Joseph J. Lauture	
Total Number of Pages in This Submission	12	Attorney Docket Number	IMPJ-0015

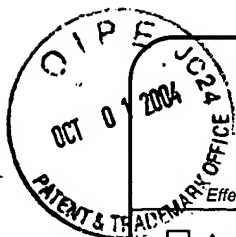
ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form  <input checked="" type="checkbox"/> Fee Attached  <input type="checkbox"/> Amendment / Reply  <input type="checkbox"/> After Final  <input type="checkbox"/> Affidavits/declaration(s)  <input type="checkbox"/> Extension of Time Request  <input type="checkbox"/> Express Abandonment Request  <input type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s)  <input type="checkbox"/> Response to Missing Parts/ Incomplete Application  <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s)  <input type="checkbox"/> Licensing-related Papers  <input type="checkbox"/> Petition  <input type="checkbox"/> Petition to Convert to a Provisional Application <input checked="" type="checkbox"/> Revocation of Attorney and Power of Attorney, Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer  <input type="checkbox"/> Request for Refund  <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group  <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences  <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)  <input type="checkbox"/> Proprietary Information  <input type="checkbox"/> Status Letter  <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):  Change of Attorney Docket Number (1 pg); Change of Correspondence Address (1 pg); Statement Under 37 CFR 3.73(b) (1 pg); Patent Practitioners to be Made of Record (2 pgs); Withdrawal of Claim to Small Entity Status (2 pgs).
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	David B. Ritchie, Reg. No. 31,562
Signature	
Date	9-27-2004

CERTIFICATE OF MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
Typed or printed name	Beatrice Orozco		
Signature		Date	9/28/04

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office.

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# FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 505

Complete if Known

Application Number 10/612,829

Filing Date July 1, 2003

First Named Inventor Scott A. Cooper

Examiner Name Joseph J. Lauture

Art Unit 2819

Attorney Docket No. IMPJ-0015

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OCT 08 2004

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## METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☐ Deposit Account:

Deposit  
Account  
Number

50-1698

Deposit  
Account  
Name

Thelen Reid & Priest LLP  
P.O. Box 640640  
San Jose, CA 95164-0640

The Director is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments  
☒ Charge any additional fee(s) during the pendency of this application  
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	770	2001	385	Utility filing fee	
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	

SUBTOTAL (1)

(\$ 0)

### 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

		Extra Claims	Fee from below	Fee Paid
Total Claims	-20 **	= 0	X 18	= 0
Independent Claims	-3 **	= 0	X 86	= 0
Multiple Dependent		X		= 0

Large Entity		Small Entity		Fee Description
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent claim, if not paid
1204	86	2204	43	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2)

(\$ 0)

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	210	Extension for reply within second month	
1253	950	2253	475	Extension for reply within third month	
1254	1,480	2254	740	Extension for reply within fourth month	
1255	2,010	2255	1,005	Extension for reply within fifth month	
1401	330	2401	165	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	290	2403	145	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,330	2453	665	Petition to revive - unintentional	
1501	1,330	2501	665	Utility issue fee (or reissue)	
1502	480	2502	240	Design issue fee	
1503	640	2503	320	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17 (q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	770	2809	385	Filing a submission after final rejection (37 CFR § 1.129(a))	
1810	770	2810	385	For each additional invention to be examined (37 CFR § 1.129(b))	
1801	770	2801	385	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify) (1001/1202/1051) Difference from Small Entity fee to Large Entity Fee

505

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$ 505)

## SUBMITTED BY

Complete (if applicable)

Name (Print/Type)

David B. Ritchie

Registration No.  
(Attorney/Agent)

31,562

Telephone

(408) 292-5800

Signature

Date

9/27/2004

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